

TECHNICAL STATUS REPORT

WORK ASSIGNMENT NUMBER: 102-7L37.0

SITE NAME: Cherokee County, KS

CH2M HILL JOB NUMBER: 68540

PREPARED BY: Geitner N M, Site Manager

DATE: September 13, 1989

PERIOD: August 1989

COPIES: RPM: Glenn Curtis, EPA Region VII
 RM: Phil Burke, CH2M HILL, Denver
 ASM: Phil Rogers, CH2M HILL, Denver
 RTL: Bill Bluck, CH2M HILL, Denver

07.37 0031

Site: Cherokee County

ID #: KSD 980741828

Break: 22.3 out 34

Other: REM JV

9-13-89

RECEIVED
 OCT 03 1989
 REMD SECTION

[1] Progress Made This Reporting Period

EPA's comments on the preliminary draft Baxter Springs subsite RI/FS work plan were incorporated in the final draft. Preparation of the technical memorandum (TM) for groundwater south of the Galena subsite began. Available data from the south area sampling were entered in a database, and the report outline was prepared. The SM attended a public meeting in Galena on August 3, where the revised preferred remedy for the groundwater-surface water OU was presented. Major support was provided for preparing both the ROD and the responsiveness summary. The revised community relations plan for the Cherokee County site was completed.

[2] Problems Resolved

None.

[3] Problem Areas and Recommended Solutions

CH2M HILL did not receive the final analytical data transmittal from the wells sampled in the area south of Galena until September 11. This will result in a delay in the delivery to EPA of the draft groundwater TM for the area south of Galena. The draft TM is rescheduled for submittal to EPA by October 9.

[4] Deliverables Submitted

The final draft community relations plan for the Cherokee County site was submitted on August 30. The final draft of the Baxter Springs subsite RI/FS work plan was submitted on September 13.



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 SUPERFUND RECORDS

[5] Activities Planned Next Reporting Period

Work will continue on the draft groundwater TM for the area south of Galena. The remaining analytical data from the south area well sampling will be entered in the database. Project management will continue. Support for the ROD and for the responsiveness summary will be furnished as requested. Current activities are projected to end by approximately the end of November.

[6] Key Personnel Changes

Phil Rogers is the new ASM.

[7] Subcontracting

[7A] Subcontractor

Services

Pittsburgh State University

Graduate students service the water-level and flow recorders and the meteorology station and take staff gauge readings.

Hydro-Search, Inc.

Technical support for modeling the groundwater, surface water, and mine-waste interactions for the GW/SW OUFS

Earth Technology Corp.

Ground-penetrating radar survey and preparation of the technical memorandum

Engineers International, Inc.

Field XRF analyses and characterization of surface mine waste

Epic Company, Inc.

Installation and removal of weirs and water-level recorders

(*) New contractors this month

[8] Travel

The SM traveled to Galena to help with the August 3 public meeting.

[9] Laboratories

None.

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CH2M HILL REM-IV CONTRACT NO. 68-01-7251
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CLIENT PROJECT NO. 102-7L37.0
CHEROKEE CTY, KS

REPORT: PRJ060
PAGE: 44
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MILESTONE	----- WORKPLAN -----		---- DELIVERY ----		
	ORIGINAL DATE	REVISED DATE	PLANNED = P ACTUAL = A	VARI- ANCE	NOTE
GALENA - Subsite Mgmt/QC					
Draft Work Plan--OUFS Groundwater	03/18/87	03/25/87	03/26/87 A	1	1
Draft Tech Memo--Existing Info on Groundwater	03/30/87	04/15/87	04/17/87 A	2	2
Final Work Plan--OUFS Groundwater	04/20/87		04/23/87 A	3	3
Draft Work Plan--Waste Characteristics/GPR	04/27/87	05/04/87	05/02/87 A		4
Final Work Plan--Waste Characteristics/GPR	05/22/87		05/20/87 A		5
Draft Tech Memo--Existing Info on Surface Water	04/10/87	05/29/87	06/17/87 A	19	6
Start Groundwater OUFS	06/01/87	06/17/87	06/17/87 A		7
Start Waste Characteristics/GPR Field Work	07/06/87		06/23/87 A		8
Workshop--Groundwater OUFS Goals	06/30/87		06/30/87 A		9
Draft Work Plan--OUFS Surface Water	04/20/87	07/10/87	07/09/87 A		10
Workshop--Tech. Screening, Groundwater OUFS	07/28/87		07/28/87 A		11
Workshop--Surface Water OUFS Goals	07/29/87		07/29/87 A		12
Finish Waste Characteristics/GPR Field Work	08/07/87	09/18/87	09/18/87 A		13
Workshop--Technology/Alternative Screening	08/27/87	09/22/87	09/22/87 A		14
Draft OUFS--Alternate Water Supply	10/02/87	10/07/87	10/07/87 A		15
EPA Comments on Draft OUFS--AWS	10/19/87	10/23/87	10/26/87 A	3	16
OUFS Workshop--Alternative Screening	10/27/87		10/27/87 A		17
Final OUFS--Alternate Water Supply	10/30/87		10/31/87 A	1	18
Public Meeting--Alternate Water Supply	11/04/87		11/04/87 A		19
PRP Meeting--Galena OUFS's	11/05/87		11/05/87 A		20
OUFS Workshop--GW/SW Modeling	11/09/87		11/09/87 A		21
Draft GW/SW OUFS--Chapters 1 thru 5	11/13/87	11/20/87	11/24/87 A	4	22
Draft GW/SW OUFS--Chapters 6 thru 8	11/24/87	12/21/87	12/23/87 A	2	23
OUFS Workshop--Alternative Evaluations	11/09/87	01/07/88	01/07/88 A		24
EPA Comments--GW/SW OUFS--Chapters 1 thru 5	12/04/87	01/15/88	01/15/88 A		25
EPA Comments--GW/SW OUFS--Chapters 6 thru 8	12/16/87	01/22/88	01/20/88 A		26
EPA Comments on GPR Tech. Memo	10/19/87	02/10/88	02/16/88 A	6	27
Public Meeting--GW/SW OUFS	02/24/88		02/24/88 A		28
Final GW/SW OUFS Report	12/31/87	02/26/88	02/26/88 A		29
Final GPR Technical Memo	10/30/87	03/04/88	03/22/88 A	18	30
Conduct Well Inventory & Sampling--North Area	11/10/88		09/19/88 A		31
Conduct waste piles sampling--North Area	11/10/88		11/09/88 A		32
Draft Tech Memo to document sampling--North Area	01/05/89		05/01/89 A	30+	33
Initiate Fieldwork - South Galena Wells	05/17/89		05/18/89 A	1	34
Submit Revised Draft FS Supplement to EPA	05/15/89		05/26/89 A	11	35
Complete Fieldwork - South Galena Wells	06/09/89		06/08/89 A		36
Submit Final Draft FS Supplement to EPA	06/30/89		07/24/89 A	24	37
Submit draft TM - South Galena Wells	07/28/89		10/09/89 P	30+	38
Submit Final TM - South Galena Wells	08/25/89		11/06/89 P	30+	39

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MILESTONE	----- WORKPLAN -----		---- DELIVERY ----			NOTE
	ORIGINAL DATE	REVISED DATE	PLANNED = P ACTUAL = A	VARI- ANCE		
BAXTER - Subsite Mgmt/QC						
Draft Work Plan--RI at Baxter Springs	10/23/87	10/30/87	10/30/87	A		40
EPA Comments on Draft WP--RI at Baxter Springs	11/09/87	11/16/87	11/18/87	A	2	41
Final Draft Work Plan--RI at Baxter Springs	12/07/87		12/07/87	A		42
Draft Work Plan--RI at Treece	11/23/87	12/07/87	12/08/87	A	1	43
EPA Comments on F. Draft WP--Baxter Springs RI	12/28/87	03/21/88	05/02/88	A	30+	44
Conduct well inventory and sampling--North Area	11/10/88		09/19/88	A		45
Draft Work Plan--RI/FS at Baxter Springs			02/23/89	A		46
Final Work Plan--RI/FS at Baxter Springs	12/30/87	11/11/88	09/13/89	A	30+	47
Final Work Plan--RI at Treece	12/30/87	04/15/88	12/31/89	P	30+	48
EPA Comments on Draft WP-- RI at Treece	12/04/87	06/20/88	12/31/89	P	30+	49
EPA HQ Approval of WP--Baxter Springs	01/25/88	12/15/88	12/31/89	P	30+	50
Start RI Field Work at Baxter Springs	02/15/88	02/01/89	12/31/89	P	30+	51
Start RI Field Work at Treece	02/15/88	04/30/89	12/31/89	P	30+	52
EPA HQ Approval of WP--Treece			12/31/89	P		53
Interim Work Authorization						
Tech Memo--General Response Actions	12/08/86		12/08/86	A		54
Tech Memo--Proposed Water Supply Field Work	12/11/86		12/09/86	A		55
Work Plan--Low Flow Surface Hydrology Sampling	12/22/86		12/22/86	A		56
Tech Memo--Sept. 86 Surface Hydrology Results	12/15/86	12/24/86	12/31/86	A	7	57
Draft QAPP/SOP	03/09/87	04/01/87	04/04/87	A	3	58
Final QAPP/SOP	04/24/87		04/27/87	A	3	59
Site Wide Management/QC						
Draft Work Plan--Water Supply Inventory/Sampling	02/02/87		02/03/87	A	1	60
Draft Work Plan--Spring Hydrology Investigations	02/02/87		02/09/87	A	7	61
Final Work Plan--Water Supply Inventory/Sampling	03/06/87		03/06/87	A		62
Final Work Plan--Spring Hydrology Investigation	03/11/87		03/10/87	A		63
Start Site-Wide Water Supply Inventory	04/20/87		04/20/87	A		64
End Site-Wide Water Supply Inventory	05/11/87		05/03/87	A		65
Start High Flow Hydrology Field Work	04/20/87	04/27/87	05/06/87	A	9	66
Complete Installation of Gaging Stations & Weirs	04/20/87	05/13/87	05/13/87	A		67
Draft Site Wide Water Supply Report	10/23/87	11/02/87	11/02/87	A		68
EPA Review Comments--Site Wide Water Supply Report	11/13/87	11/13/87	11/13/87	A		69
Final Site Wide Water Supply Report	11/30/87		11/25/87	A		70
Complete High Flow Hydrology Field Work	05/15/87	11/30/87	11/30/87	A		71

NOTES:

14. Includes addition of surface water response actions.

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NOTES:

- 38. Assumes receipt of analytical data by September 11, 1989.
- 39. Assumes receipt of EPA's review comments by October 23, 1989
- 46. Work plan revised to include FS and modified RI scope.
- 47. EPA extended schedule due to ongoing Galena studies.
- 48. Treece work plan to be prepared by PRPs.
- 49. Treece work plan to be prepared by PRPs.
- 50. WP being given to PRPs for performance; approval on hold.
- 51. Field work by PRPs.
- 52. Treece work plan on indefinite hold pending Galena results.
- 53. Treece work plan on indefinite hold pending Galena results.

Good's

EXS 1101

605.0

35/T

Sample

to include

PAPs

presentation of problems & PAPs

Schedule for PAPs

to be presented in the form of a paper

To show it in the form of a paper

7

10

12

15

18